

5
299

FIG. 1.

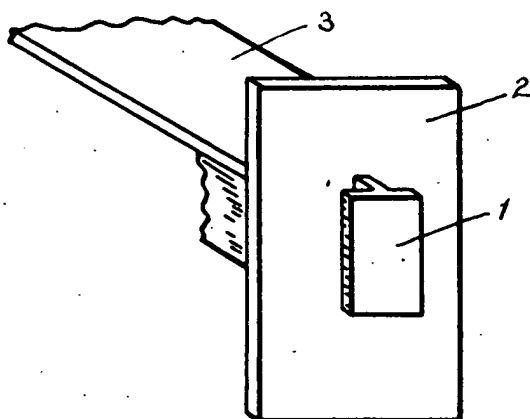


FIG. 2.

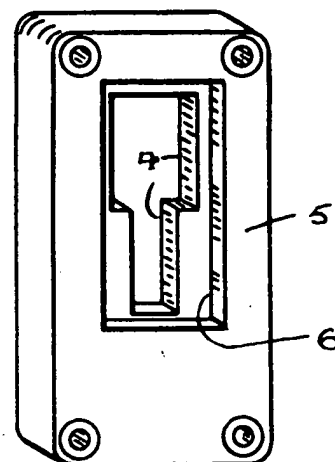


FIG. 3.

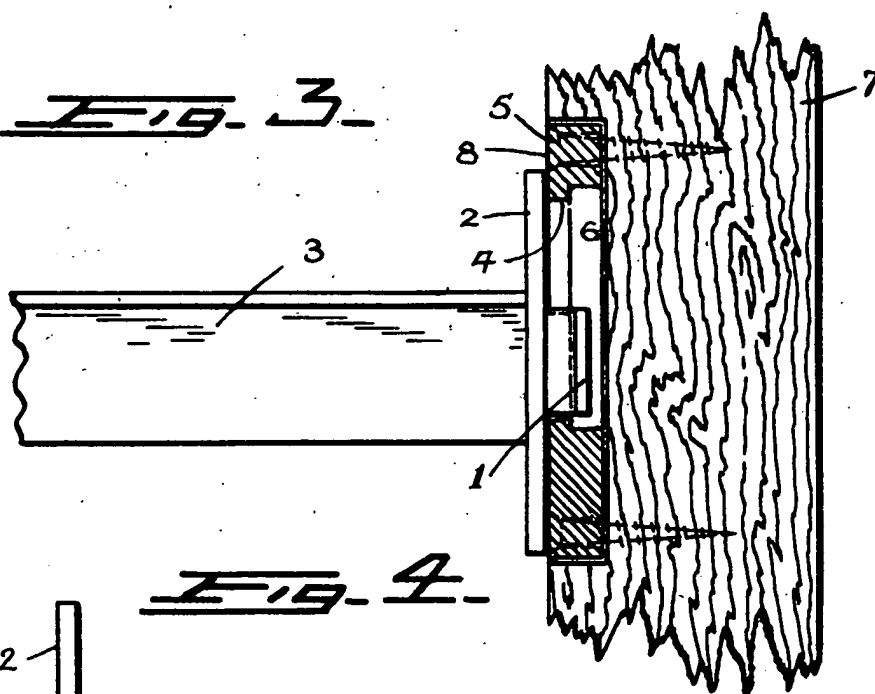
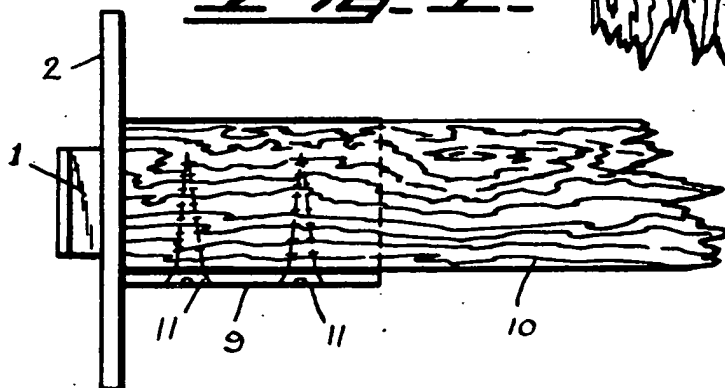


FIG. 4.



[This Drawing is a reproduction of the Original on a reduced scale.]

5
299

PATENT SPECIFICATION

563,975



Application Date : March 23, 1943. No. 4685/43.

Complete Specification Accepted : Sept 7, 1944.

EXAMINER'S
COPY

DIV. 8

COMPLETE SPECIFICATION

Improvements in and relating to Bedsteads

I, LOUIS GILBERT, a Polish subject, of 73, Reginald Terrace, Leeds, 7, in the County of York, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to bedsteads and has for its chief object to provide a new or improved method of fastening an independent mattress or the side rails which carry the mattress to the bed head and foot and one which requires no bolts or keys to assemble or dismantle. The usual method of securing the side rails to the head and foot of a bed consists in the provision of a pair of projecting brackets or supports or both, on the head and foot portions of the bed which carry the side rails with the result that when the bedstead is taken down for removal or storage, these projections interfere with the packing and are liable to scratch any article which comes into contact with them.

According to the invention the bed head and foot are each provided with a pair of keyhole slotted members adapted to receive and retain a single T-shaped abutment projecting from a rectangular face plate associated with the ends of the side rails of the bed said abutment being retained within a recess formed in the back of the slotted members. The slotted members comprising plates having one face recessed and adapted to be screwed on or recessed in the head and foot of the bed and in this connection the recessed portions of the plates will lie adjacent or against the head and foot of the bed. The contour or shape of the slot in each plate is of keyhole formation so that the abutment associated with the ends of the side rails may be inserted in the wider portion of the slot and locked in position in the narrower or lower end of said slot. The abutments which engage the plates may be formed integrally on or secured to the ends of the side rails which can be of wood or steel angle or can be screwed to an independent framed mattress, and thereby obviating the use of side rails.

In order that the invention may be

[Price 1/-]

clearly understood and readily carried into effect, the same will now be more fully described with reference to and by the aid of the accompanying drawing, wherein:—

Figure 1 is an isometric view of an abutment at the end of a side rail.

Figure 2 is an isometric view of a slotted member or plate looking from the rear.

Figure 3 is a sectional elevation of a side rail locked in position relative to the bed head.

Figure 4 is an elevation of an abutment mounted on a bracket to which is secured a side rail of the bed.

Referring to the drawings, the abutment 1 is mounted on a face plate 2 at the end of a side rail 3 and is adapted to be inserted and held in a keyhole shaped slot 4 in the plate 5.

The plate 5 is hollow at 6 to accommodate the abutment 1 when secured to the bed head or foot 7. When the abutment 1 is in position in the plate 5, the face plate 2 rests against the surface 8 of the slotted plate 5 with the result that a firm joint is ensured. The abutment 1 and face plate 2 may be mounted at the end of a bracket 9 (see Figure 4) and the side rail 10 secured thereto by screws 11 or other means according to whether the side rail 10 is of metal or wood.

Tension and strain is on the face plate 2 which is fixed to the foot and head of the bed and not on the outer part of a projecting bracket which in time becomes loose in the case of present fastenings.

It will be seen that when the bed is dismantled there are no projecting portions on either the bed head or foot and a minimum of projection on the side rails.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. Means for securing an independent mattress or the side rails which carry the mattress to the bed head and foot comprising a pair of keyhole slotted members on both the head and the foot adapted to receive and retain a single T-shaped abut-

- ment projecting from a rectangular face plate associated with the ends of the side rails or independent mattress, said abutment being retained within a recess 5 formed in the back of the slotted members.
2. Means for securing an independent mattress or the side rails which carry the mattress to the bed head and foot according to claim 1, wherein the upper portion 10 of the slot is wider than the lower portion so that the abutment associated with the end of each side frame may be passed through said upper portion and be retained 15 by the lower or narrow portion.
3. Means for securing an independent mattress or the side rails which carry the mattress to the bed head and foot according to any of the preceding claims wherein the abutment associated with each end 20 of each side rail is mounted upon a face plate which, when the abutment is secured in the slot, bears against the keyhole slotted plate.
4. Means for securing an independent 25 mattress or the side rails which carry the mattress to the bed head and foot according to claim 3, wherein each abutment and face plate is mounted upon a bracket which carries or has secured thereto the 30 side rail.
5. Means for securing an independent mattress or the side rails which carry the mattress to the bed head and foot according to any of the preceding claims, constructed, arranged and adapted to operate 35 substantially as described and illustrated in the accompanying drawings.

Dated this 22nd day of March, 1943.

JOHN E. WALSH,
7, East Parade, Leeds, 1;
also at Bradford & Halifax,
Chartered Patent Agents.